BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO HEBBAL AND SAHAKARANAGARA KALYANI IN WARD NO.08 KODIGEHALLI

Job Code : 008-20-000054							Estimate Cost Rs.	25.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges Page no 138- Item no 18.11								
		Sqm							
	Hebbala Near Kalyani		2	35.00	11.00		770.00		
	Sahakaranagar Near Kalyani		2	10.00	15.00		300.00		
					Total Qty		1070.00	10.60	11342.00
	Basic Rate	10.00							
	Area Weightage @ 6 %	0.60							
	Total	10.60							
2	KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications.MORTH Specification No. 301 (Page No.144								
		Cum					Item NO	19.20	
	Debris Clearing		8	20.00	3.00	0.60	288.00		
			4	12.00	4.60	0.75	165.60		
			6	15.00	3.50	0.90	283.50		
					Total Qty		737.10	34.98	25784.00
	Basic Rate	33.00							
	Area Weightage @ 6%	1.98							
	Total	34.98							
3	"KSRRB M2100-5.1. Earth work excavation in marshy soil for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and filling back with approved material including cost of all materials, labour, HOM complete as per specifications MORTH Specification No. 304 "KSRRB M2100-5.1. -do- Manual Means upto 3 m depth (Page No.221 & Item No.27.12)								
		Cum							
	Hebbala Near Kalyani		1	13.00	13.00	1.80	304.20		
	Sahakaranagar Near Kalyani		1	3.00	4.50	1.50	20.25		
					Total Qty		324.45	835.04	270929.00
	Basic Rate	614.00							
	Area Weightage @ 6%	36.84							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Note: 2. KSRRB M2100-5.1 : Add 30% extra for dewatering charges.(Page No.224)	184.20							
	Total	835.04							
4	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification.								
	walking track	Cum							
	E/S of Kalyani		1	27.00	1.80	0.30	14.58		
	W/S		1	26.00	2.10	0.30	16.38		
	N/S		1	25.00	1.20	0.30	9.00		
	S/S		1	27.00	1.80	0.30	14.58		
					Total Qty		54.54	263.94	14395.00
	Basic Rate	249.00							
	Area Weightage @ 6%	14.94							
	Total	263.94							
5	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.136 & Item No 17.1)								
		Cum							
			Qty Vide Item No.2+3+4				1116.09	95.40	106474.99
	Basic Rate for Haulage of materials as per Item No.17.4	2.00 t.k							
	Area Weightage of earth (1.28 tonne/km) for 15km (2.00X1.28X15.00)	38.40							
	Add loading and unloading Item No 17.1)	57.00							
	Total	95.40							
6	Removing & Refixing of stone slabs of drains and pointing in C.M (1:3) (Page.No.27 & Item.No - 5.33)								
	E/S of Kalyani	Sqm		avg					
	steps 1st Stage		6	7.50	0.45		20.25		
	steps 2ndStage		3	22.00	0.45		29.70		
	steps 3rd Stage		1	20.65	2.65		54.72		
	steps 4th Stage		10	15.00	0.45		67.50		
	W/S								
	steps 1st Stage		6	9.00	0.45		24.30		
	steps 2ndStage		3	22.00	0.45		29.70		
	steps 3rd Stage		1	20.65	2.65		54.72		
	steps 4th Stage		10	15.00	0.45		67.50		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	N/S								
	steps 1st Stage		6	7.00	0.45		18.90		
	steps 2ndStage		3	22.00	0.45		29.70		
	steps 3rd Stage		1	20.65	2.65		54.72		
	steps 4th Stage		10	15.00	0.45		67.50		
	S/S								
	steps 1st Stage		6	8.00	0.45		21.60		
	steps 2ndStage		3	22.00	0.45		29.70		
	steps 3rd Stage		1	20.65	2.65		54.72		
	steps 4th Stage		10	15.00	0.45		67.50		
					Total Qty		692.74		
		Deduct 30% for Missing and broken Slabs(-)					207.82		
					Net Qty		484.92	111.30	53971.37
	Basic Rate	105.00							
	Area Weightage @ 6%	6.30							
	Total	111.30							
7	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. - do - 10 cms thick (Page No.27 & Item No- 5.31.2)								
		Cum							
	Replaced 30% for Missing and broken Slabs as per Qty Vide Item No.6						207.82		
					Total Qty		207.82	966.72	200906.00
	Basic Rate	912.00							
	Area Weightage @ 6%	54.72							
	Total	966.72							
8	KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13 (Page No.26 & Item No- 5.17)								
		Sqm							
	Qty same as Item.6+7				*Total Qty*		692.74	950.82	658671.05
	Basic Rate	897.00							
	Area Weightage @ 6%	53.82							
	Total	950.82							
9	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.Specification No. KBS 4.1, 4.2 (Page P-13,								
	walking track	Cum							
	E/S of Kalyani		1	27.00	1.80	0.15	7.29		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	W/S		1	26.00	2.10	0.15	8.19		
	N/S		1	25.00	1.20	0.15	4.50		
	S/S		1	27.00	1.80	0.15	7.29		
	Sahakaranagar Near Kalyani		1	3.00	4.50	0.15	2.03		
					Total Qty		29.30	5408.12	158430.88
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	5408.12							
10	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size grade granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 P-13, ? - 4.6								
	Sahakaranagar Near Kalyani		1	3.00	4.50	0.20	2.70		
							2.70	5747.32	15517.76
	Basic Rate	5422.00							
	Area Weightage @ 6%	325.32							
	Total	5747.32							
11	KSRRB M2500-4.1. Providing and laying Pitching stones of size 0.3x0.3x0.3 on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications including cost of materials, labour, HOM complete as per specifications. A. Stone / Boulder MORTH Specification No. 2504 (Page No.241/ Item No.30.5)								
		Cum							
	E/S of Kalyani		2	8.00	3.15	0.30	15.12		
	W/S		2	7.50	3.30	0.30	14.85		
	N/S		2	9.00	3.20	0.30	17.28		
	S/S		2	8.50	3.10	0.30	15.81		
					Total Qty		63.06	1709.78	107818.73
	Basic Rate	1613.00							
	Area Weightage @ 6%	96.78							
	Total	1709.78							
12	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 (Page.No.147 & Item No-19.60)								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		Cum				avg			
	E/S of Kalyani		1	25.00	9.00	0.90	202.50		
	W/S		1	24.50	8.50	0.90	187.43		
	N/S		1	25.50	9.00	0.85	195.08		
	S/S		1	25.00	9.20	0.80	184.00		
					Total Qty		769.00	344.50	264920.50
	Basic Rate	325.00							
	Area Weightage @ 6%	19.50							
	Total	344.50							
13	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications.Specification No. KBS (P No. 103 / Item No. 14.6)								
	walking track	Sqm							
	E/S of Kalyani		1	27.00	1.80		48.60		
	W/S		1	26.00	2.10		54.60		
	N/S		1	25.00	1.20		30.00		
	S/S		1	27.00	1.80		48.60		
					Total Qty		181.80	1116.18	202922.00
	Basic Rate	1053.00							
	Area Weightage @ 6%	63.18							
	Total	1116.18							
14	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (Page No.27 & Item No. 5.30)								
	walking track	No's							
	E/S of Kalyani		2	20.00	/ 0.45		88.89		
					Total Qty		88.89		
					Say		89.00	432.48	38491.00
	Basic Rate	408.00							
	Area Weightage @ 6 %	24.48							
	Total	432.48							
15	KSRB 15-19.2 :Providing and applying ready mix priming coat over concrete/masonry/asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil,grease,dirt and other foreign matter and sand papering including cost of materials, labour, complete as per specifications. (Page No.124 & Item No.15.80)								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	walking track	Sqm							
	E/S of Kalyani		2	20.00		0.35	14.00		
					Total Qty		14.00	39.22	549.00
	Basic Rate	37.00							
	Area Weightage @ 6 %	2.22							
	Total	39.22							
16	KSRB 800-1.Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No.180 & Item No.24.1)								
	walking track	Sqm							
	E/S of Kalyani		2	20.00		0.35	14.00		
					Total Qty		14.00	84.80	1187.00
	Basic Rate	80.00							
	Area Weightage @ 6 %	4.80							
	Total	84.80							
17	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.No 266 of I.No.37.3 in PW,P&IWTD SR 2018-19)								
	Sahakaranagara Kalyani	Sqm	2	7.50		1.80	27.00		
		Sqm	2	8.00		1.80	28.80		
							55.80	757.90	42291.00
	Basic Rate	715.00							
	Area Weightage @ 6 %	42.90							
	Total	757.90							
18	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.No 266								
	Sahakaranagara Kalyani	m	16	2.00			32.00		
							32.00	910.54	29137.00
	Basic Rate	859.00							
	Area Weightage @ 6 %	51.54							
	Total	910.54							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
19	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. (P.No.266 I.No.37.4 of PW,P&IWTD SR of 2018-								
	Sahakaranagara Kalyani	m	2	31.00			62.00		
							62.00	432.48	26814.00
	Basic Rate	408.00							
	Area Weightage @ 6 %	24.48							
	Total	432.48							
	Sub-Total for CSR 2018-19								2230552.00
	12% for Applicable GST on CSR 2018-19								267666.00
	Miscellaneous and unforeseen charges								1782.00
	Grand Total Amount Rs.								2500000.00

(Rupees Twenty Five Lakhs Only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2018-19 and Approved Data Rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other programs or Grants
6) This work is Under Budget Head P-3602 Special Development Works

Assistant Engineer
Ward No.08
Kodigehalli

Assistant Executive Engineer
Kodigehalli Sub-Division
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Executive Engineer
Byatrayanapura Division
B.B.M.P

ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು

(2)

Technical Sanction
Accorded For Rs 25 w Lakhs only
Head of A/C P3802
CER NO : 43 Dt: 11.10.2021

(1)

Administrative Approval
Accorded For Rs 25 w Lakhs only.
Head of A/C P3802
CER NO : 54 Dt: 11.10.2021

TA

CE (YNK)

Improvements to Hebbal and Sahakarnagar Kalyani in ward No 8, Kodigehalli

N

Hebbal Lake

①

Hebbal Kalyani

Ring Road Towards Hebbal Flyover →

14th main Road Sahakarnagar

②

N E

Ground

Kalyani

Vinayaka Temple

13th main Road Sahakarnagar

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore